

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

BEST AVAILABLE COPY
RECEIVED

MAR 14 2002

TECH CENTER 1600/2900



ENTERED OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/933,497B

DATE: 02/28/2002

TIME: 11:16:06

Input Set : A:\Utsd483.app

Output Set: N:\CRF3\02282002\I933497B.raw

3 <110> APPLICANT: Ward, Elizabeth S.
5 <120> TITLE OF INVENTION: IMMUNOGLOBIN-LIKE DOMAINS WITH INCREASED HALF LIVES
7 <130> FILE REFERENCE: UTSD:483
C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/933,497B
C--> 10 <141> CURRENT FILING DATE: 2002-02-07
12 <150> PRIOR APPLICATION NUMBER: 60/013,563
13 <151> PRIOR FILING DATE: 1996-03-18
15 <160> NUMBER OF SEQ ID NOS: 39
17 <170> SOFTWARE: PatentIn Ver. 2.1
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 33
21 <212> TYPE: DNA
22 <213> ORGANISM: Artificial Sequence
24 <220> FEATURE:
25 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
26 Primers
28 <400> SEQUENCE: 1
29 atcaccatgg ccggcagacc gaaggctcca cag 33
32 <210> SEQ ID NO: 2
33 <211> LENGTH: 34
34 <212> TYPE: DNA
35 <213> ORGANISM: Artificial Sequence
37 <220> FEATURE:
38 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
39 Primers
41 <400> SEQUENCE: 2
42 tacaggtgac cttaccagga gagtgggaga ggct 34
45 <210> SEQ ID NO: 3
46 <211> LENGTH: 32
47 <212> TYPE: DNA
48 <213> ORGANISM: Artificial Sequence
50 <220> FEATURE:
51 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
52 Primers
54 <400> SEQUENCE: 3
55 atcaccatgg ccgtgcccag ggattgtggt tg 32
58 <210> SEQ ID NO: 4
59 <211> LENGTH: 31
60 <212> TYPE: DNA
61 <213> ORGANISM: Artificial Sequence
63 <220> FEATURE:
64 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
65 Primers

RECEIVED

MAR 14 2002

TECH CENTER 1600/2900

RAW SEQUENCE LISTING

DATE: 02/28/2002

PATENT APPLICATION: US/09/933,497B

TIME: 11:16:06

Input Set : A:\Utsd483.app

Output Set: N:\CRF3\02282002\I933497B.raw

```

67 <400> SEQUENCE: 4
68 atcaggtgac cttggttttg gagatggttt t 31
71 <210> SEQ ID NO: 5
72 <211> LENGTH: 33
73 <212> TYPE: DNA
74 <213> ORGANISM: Artificial Sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
78 Primers
80 <400> SEQUENCE: 5
81 atcaccatgg ccgaagtatc atctgtcttc atc 33
84 <210> SEQ ID NO: 6
85 <211> LENGTH: 17
86 <212> TYPE: DNA
87 <213> ORGANISM: Artificial Sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
91 Primers
93 <400> SEQUENCE: 6
94 tctggctcct ccgtgct 17
97 <210> SEQ ID NO: 7
98 <211> LENGTH: 35
99 <212> TYPE: DNA
100 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
104 Primers
106 <400> SEQUENCE: 7
107 atcatctaga tttttttgtt ggggccaaat ttatg 35
110 <210> SEQ ID NO: 8
111 <211> LENGTH: 39
112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial Sequence
115 <220> FEATURE:
116 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
117 Primers
119 <400> SEQUENCE: 8
120 atcaccatgg ccggtaggat gcgcagcggc ctgccagcc 39
123 <210> SEQ ID NO: 9
124 <211> LENGTH: 34
125 <212> TYPE: DNA
126 <213> ORGANISM: Artificial Sequence
128 <220> FEATURE:
129 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
130 Primers
132 <400> SEQUENCE: 9
133 atcagtcgac cttggaagtg ggtggaaagg catt 34
136 <210> SEQ ID NO: 10
137 <211> LENGTH: 38

```

RAW SEQUENCE LISTING

DATE: 02/28/2002

PATENT APPLICATION: US/09/933,497B

TIME: 11:16:06

Input Set : A:\Utsd483.app

Output Set: N:\CRF3\02282002\I933497B.raw

```

138 <212> TYPE: DNA
139 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:
142 <221> NAME/KEY: modified_base
143 <222> LOCATION: (21)..(34)
144 <223> OTHER INFORMATION: N = A, G, C or T
146 <220> FEATURE:
147 <221> NAME/KEY: modified_base
148 <222> LOCATION: (20)
149 <223> OTHER INFORMATION: S = G or C
151 <220> FEATURE:
152 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
153     Primers
155 <400> SEQUENCE: 10
W--> 156 caacacacgt gaccttagcs nncagsnnaa tsnnagac 38
159 <210> SEQ ID NO: 11
160 <211> LENGTH: 13
161 <212> TYPE: DNA
162 <213> ORGANISM: Artificial Sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
166     Primers
168 <400> SEQUENCE: 11
169 gtcacgtgtg ttg 13
172 <210> SEQ ID NO: 12
173 <211> LENGTH: 19
174 <212> TYPE: DNA
175 <213> ORGANISM: Artificial Sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
179     Primers
181 <400> SEQUENCE: 12
182 gctcctcccg gggttgcgt 19
185 <210> SEQ ID NO: 13
186 <211> LENGTH: 23
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
192     Primers
194 <220> FEATURE:
195 <221> NAME/KEY: modified_base
196 <222> LOCATION: (22)..(23)
197 <223> OTHER INFORMATION: N = A, G, C or T
199 <400> SEQUENCE: 13
W--> 200 caggaagctg acccctgtgg gnn 23
203 <210> SEQ ID NO: 14
204 <211> LENGTH: 23
205 <212> TYPE: DNA

```

RAW SEQUENCE LISTING

DATE: 02/28/2002

PATENT APPLICATION: US/09/933,497B

TIME: 11:16:06

Input Set : A:\Utsd483.app

Output Set: N:\CRF3\02282002\I933497B.raw

206 <213> ORGANISM: Artificial Sequence
 208 <220> FEATURE:
 209 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 210 Primers
 212 <220> FEATURE:
 213 <221> NAME/KEY: modified_base
 214 <222> LOCATION: (22)..(23)
 215 <223> OTHER INFORMATION: N = A, G, C or T
 217 <400> SEQUENCE: 14
 W--> 218 ttccgtctca ggccactccc cnn 23
 221 <210> SEQ ID NO: 15
 222 <211> LENGTH: 24
 223 <212> TYPE: DNA
 224 <213> ORGANISM: Artificial Sequence
 226 <220> FEATURE:
 227 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 228 Primers
 230 <400> SEQUENCE: 15
 231 tcaggaagtg gctggaaagg catt 24
 234 <210> SEQ ID NO: 16
 235 <211> LENGTH: 21
 236 <212> TYPE: DNA
 237 <213> ORGANISM: Artificial Sequence
 239 <220> FEATURE:
 240 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 241 Primers
 243 <400> SEQUENCE: 16
 244 atgggggatgc cactgccctg g 21
 247 <210> SEQ ID NO: 17
 248 <211> LENGTH: 19
 249 <212> TYPE: DNA
 250 <213> ORGANISM: Artificial Sequence
 252 <220> FEATURE:
 253 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 254 Primers
 256 <400> SEQUENCE: 17
 257 ggtggttggc caggcccct 19
 260 <210> SEQ ID NO: 18
 261 <211> LENGTH: 18
 262 <212> TYPE: DNA
 263 <213> ORGANISM: Artificial Sequence
 265 <220> FEATURE:
 266 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 267 Primers
 269 <400> SEQUENCE: 18
 270 cagtatgggc gttgtgca 18
 273 <210> SEQ ID NO: 19
 274 <211> LENGTH: 18
 275 <212> TYPE: DNA

RAW SEQUENCE LISTING

DATE: 02/28/2002

PATENT APPLICATION: US/09/933,497B

TIME: 11:16:06

Input Set : A:\Utsd483.app

Output Set: N:\CRF3\02282002\I933497B.raw

```

276 <213> ORGANISM: Artificial Sequence
278 <220> FEATURE:
279 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
280     Primers
282 <400> SEQUENCE: 19
283 ctccagtagcg tggttgtg                                18
286 <210> SEQ ID NO: 20
287 <211> LENGTH: 21
288 <212> TYPE: DNA
289 <213> ORGANISM: Artificial Sequence
291 <220> FEATURE:
292 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
293     Primers
295 <400> SEQUENCE: 20
296 cccatcatgg cccaggactg g                                21
299 <210> SEQ ID NO: 21
300 <211> LENGTH: 21
301 <212> TYPE: DNA
302 <213> ORGANISM: Artificial Sequence
304 <220> FEATURE:
305 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
306     Primers
308 <400> SEQUENCE: 21
309 ccagtcctgg gccatgatgg g                                21
312 <210> SEQ ID NO: 22
313 <211> LENGTH: 21
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
319     Primers
321 <400> SEQUENCE: 22
322 ggcctgcacg cgcaccatac t                                21
325 <210> SEQ ID NO: 23
326 <211> LENGTH: 24
327 <212> TYPE: DNA
328 <213> ORGANISM: Artificial Sequence
330 <220> FEATURE:
331 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
332     Primers
334 <400> SEQUENCE: 23
335 agtatggtgc gcgtgcaggc cctc                                24
338 <210> SEQ ID NO: 24
339 <211> LENGTH: 18
340 <212> TYPE: DNA
341 <213> ORGANISM: Artificial Sequence
343 <220> FEATURE:
344 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
345     Primers

```

VERIFICATION SUMMARY

DATE: 02/28/2002

PATENT APPLICATION: US/09/933,497B

TIME: 11:16:07

Input Set : A:\Utsd483.app

Output Set: N:\CRF3\02282002\I933497B.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:156 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10

L:200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13

L:218 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14